



GEN-AI
BOOTCAMPS

DAY 3: BECOMING

What are the possibilities?

Today

- Testing and Debugging
- Industry relevance
- Alex Jenkins – AI in industry
- Hackathon preparation and planning

**Remember to spend some time in
the art space for some wellbeing &
creative activities!**

Today is:
Movement and
Interaction
& “Becoming”



GEN-AI BOOTCAMPS

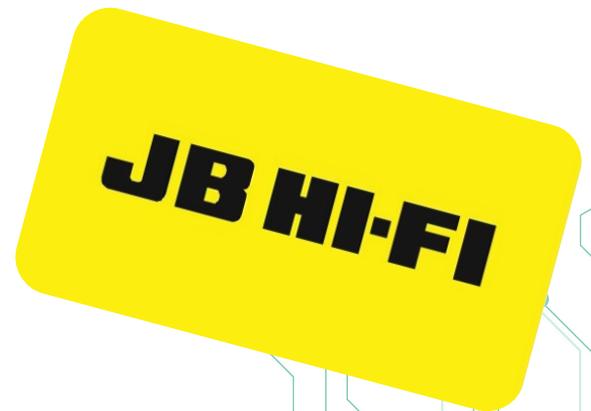


Feedback

After lunch, we will have some time to complete the feedback survey about the **Wellbeing & breakout activities**.

When you finish the survey you will be entered in the draw for a \$20 JB HiFi voucher.

We will draw 3 vouchers in total.



STAGE 1: PLAN

Problem Statement,
Definition & Planning

AI Ethics and
Considerations

Stakeholders &
Persona Mapping

STAGE 2: DESIGN

Data Requirements

Pseudocode
Implementation

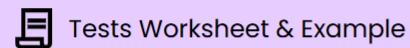
STAGE 3: TEST

Testing, Feedback,
Improving

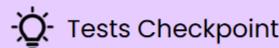
Testing, Feedback, Improving

- When you first design something, you're making your best guess about how it will work.
- Testing helps you see the design through other people's eyes and catch surprises or mistakes you couldn't predict!

Stage 3: Testing & Debugging



Tests Worksheet & Example



Tests Checkpoint



Designing Tests

These are the Scratch Programs for testing...



Short Story
Generator



Recipe Generator

Stage 3: Testing and Improving

7. Testing

Test the design:
Does it do what it is
meant to?
Can you break it?

8. Next Steps

What can you
improve?
What might you add
if we had more time
or resources?

What comes next?



Run some tests and find the bugs...



Run some tests and find the bugs...



Step	Input / action	Expected Results	Your input / action	Pass (✓) or fail (✗)?
1.	Start the program by pressing the green flag.	The screen should show the Dinosaur Chef in the kitchen. 		✓
2.	The Chef starts by asking for your Text Key.	User can input text in the text box.		✓
2.A.	Input a wrong Key	The Chef should say "That key didn't work. Try again" and let you put in another key.	1 x wrong key, 1 x blank key	✓
2.B.	Input your correct Key	The Chef should say "Thanks!"		✓
3	The Chef asks for input in the format "Level, ingredients, time limit"	User can input text in the text box.		✓
3.A.	Enter info in different order: e.g. "Time limit, ingredients, level, more ingredients"	The Chef should be able to understand and still give you a recipe	Time limit, ingredients, level, more ingredients	✓
3.B.	Missing information: only ingredients & time limit	The Chef should say "looks like I'm missing some info." and restarts Step 3.	Only ingredients & time limit	Assistant didn't ask for more information and assumed / hallucinated - ✗ FAIL
3.C.	Unrelated information/question	The Chef says "I'm a recipe generator!" and restarts Step 3.	"I'm not looking for food recipes anymore, I'm looking for which household ingredients I can use to make cleaning products for cheap."	Assistant allowed me to go off topic - ✗ FAIL

Try designing some tests

Test your assistant you worked on yesterday.

Can someone else run your test?

Swap with each other and test each other's Programs!

... then Improving

What comes
next?



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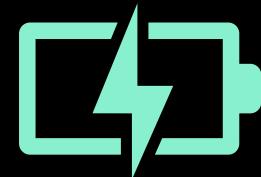
**STAGE 1:
PLAN**

**STAGE 2:
DESIGN**

**STAGE 3:
TEST**

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BREAK



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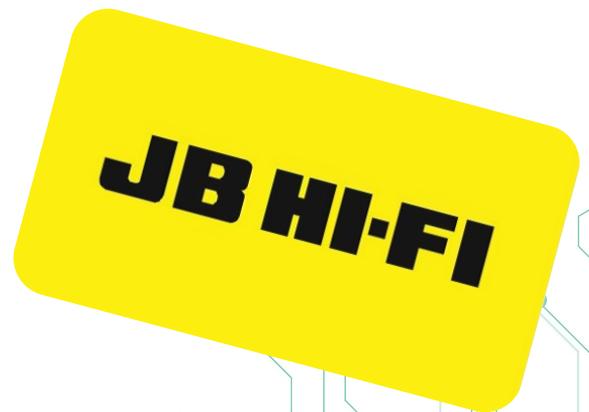


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Alex Jenkins

AI in Industry

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LUNCH BREAK



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Feedback

Now we will have some time to complete the feedback survey.

When you finish the survey you will be entered in the draw for a \$20 JB HiFi voucher.

We will draw the winner shortly...



Mission

Create an AI Assistant that helps with a specific problem.

Create any part of this solution using the skills you have learnt over the past few days.

Include ethics, social considerations & responsible AI applications in your design.

Explain how you're using AI - to help you code/design, as an integral part of the solution, or something else.

We'll give you some ideas later if you want them!

4 Prize Categories

AI-Assisted Design

A team who uses AI most effectively in your design or coding process.

Social Impact

Team who shows strong ethical thinking and aims to solve a meaningful real-world or community problem.

Great Presentation or Demo

Team who delivers the most engaging, clear, and confident explanation of your project.

Ethical Excellence

A team who deeply considers fairness, bias, safety, transparency, and responsible use of AI in your project.

Prizes



Team prize winners will receive lolly bags to share.



1 team will win \$20 JB HiFi Voucher (1 per member)



Other prizes might be given out for projects that are prize-worthy but don't quite fit in a category.

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Use the resources and processes we've learned about. You can review your worksheets and apply your Design Thinking through your project.



Hackathon Progress Board



Design Process Submissions

DAY 3: AFTERNOON

We will start with forming our teams and then complete our planning as a team.



Team/Project Description

DAY 4: MORNING

We will split into our roles to work on our project. Our presentations will be after lunch.



Presentation Plan

Make sure you upload any file(s) you need for your presentation. Put them in a folder called 'Hackathon Presentation' and upload the folder via the Access Panel.

Save any other planning files, or project files, that you made during your Hackathon Project to your student folder.

NOW

Think about what area you might want to explore.
Find some people who have similar ideas, form your teams, and
start planning!



Think about your interests, your challenges, etc. You can choose a project from a set of examples, or choose your own.

If you're choosing your own idea, you can check with a mentor to make sure that you'll have everything you need.

TODAY

Choose your teams and decide on your project & roles.

Start planning your solution, sorting through the stakeholders, and thinking about implementation.

TOMORROW

We'll implement & test & practice presentations in the morning.

AFTERNOON

We'll present our solutions just after lunch.

HACKATHON

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 Hackathon Progress Board

As we complete our hackathon steps, we'll show progress on the boards. We are aiming to finish our planning today...

DAY 3: Afternoon

Team / Project name	We have completed our Team Description worksheet	Our project plan is agreed & We have completed our Problem Definition worksheet	Our stakeholders are identified	We have considered some AI Ethics areas	We have submitted the Stakeholders & Ethics Worksheet	We have written our plan for our prompt/program flow and how it will work.	We have completed our Implementation & Testing Plan Worksheet
Beth's Cool Team Name	DONE	DONE	IN PROGRESS	IN PROGRESS	TO DO	TO DO	TO DO

Mission

Examples...	System prompt & chat	Scratch (no chat)	Python
Text and Language Simplifier (e.g. Text reformatting for easy reading; simplifying complex language)	✓	✓	✓
AI Resume & Cover Letter Generator	✓	✗	✓
AI-Powered Mental Health Check-In	✓	✗	✓
Fake News Detector	✓	✓	✓
HR Interview Coach	✓	✓	✓
Personalized Study Assistant	✓	✓	✓

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1 NO
POVERTY



2 ZERO
HUNGER



3 GOOD HEALTH
AND WELL-BEING



4 QUALITY
EDUCATION



5 GENDER
EQUALITY



6 CLEAN WATER
AND SANITATION



7 AFFORDABLE AND
CLEAN ENERGY



8 DECENT WORK AND
ECONOMIC GROWTH



9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



10 REDUCED
INEQUALITIES



11 SUSTAINABLE CITIES
AND COMMUNITIES



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



13 CLIMATE
ACTION



14 LIFE
BELOW WATER



15 LIFE
ON LAND



16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS



17 PARTNERSHIPS
FOR THE GOALS



 **SUSTAINABLE
DEVELOPMENT
GOALS**

BREAK



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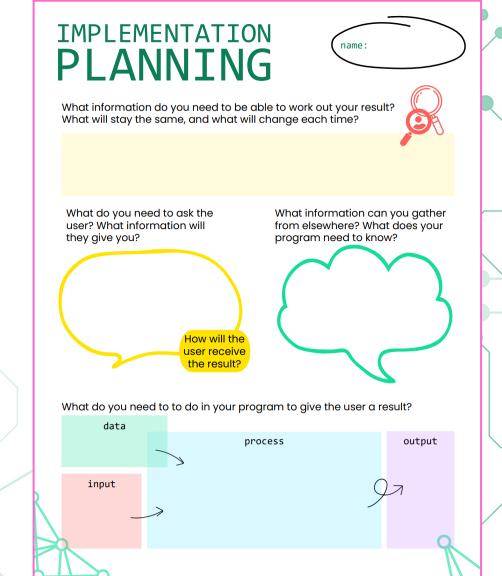
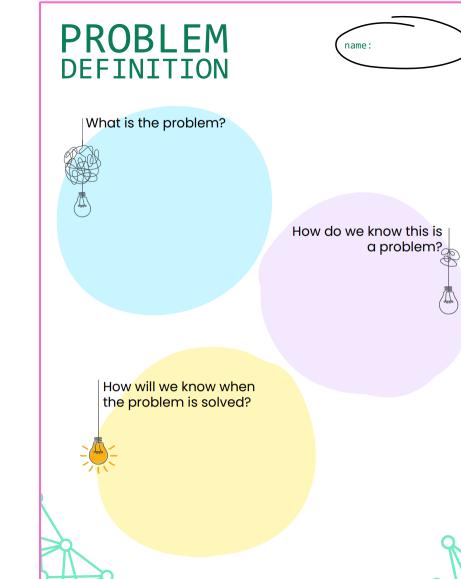
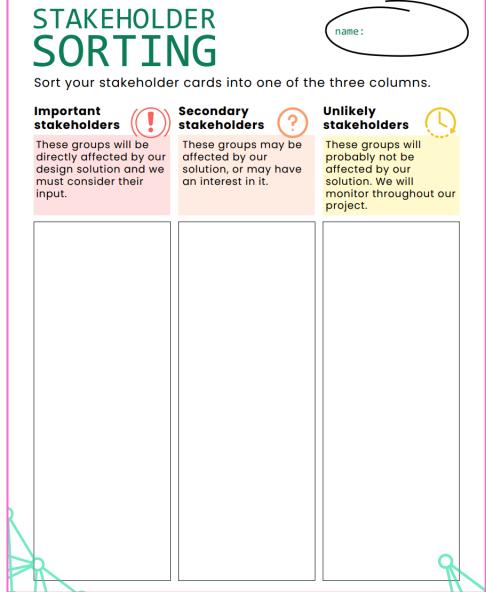
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Plan your project...

 Hackathon Progress Board

 Design Process Submissions

 Team/Project Description



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That's all for today...

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